



Environmental Protection Agency Region 5

Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Lusher Street Groundwater Site, Elkhart IN
Project Number: [none]
Project Manager: Karen Kirchner

Reported:
Jun-12-17 16:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-GW-14-15-17-042017	1704029-01	Water	Apr-25-17 13:55	Apr-27-17 11:00
SP-GW-14-15-17-D-042017	1704029-02	Water	Apr-25-17 13:55	Apr-27-17 11:00
SP-GW-14-25-27-042017	1704029-03	Water	Apr-25-17 15:05	Apr-27-17 11:00
SP-GW-15-15-17-042017	1704029-04	Water	Apr-25-17 16:50	Apr-27-17 11:00
SP-GW-15-15-27-042017	1704029-05	Water	Apr-25-17 17:55	Apr-27-17 11:00
SP-GW-16-15-17-042017	1704029-06	Water	Apr-26-17 09:45	Apr-27-17 11:00
SP-GW-16-25-17-042017	1704029-07	Water	Apr-26-17 10:45	Apr-27-17 11:00
SP-GW-12-11-13-042017	1704030-01	Water	Apr-24-17 17:10	Apr-28-17 11:00
SP-GW-12-21-23-042017	1704030-02	Water	Apr-24-17 18:05	Apr-28-17 11:00
SP-GW-13-14-16-042017	1704030-03	Water	Apr-25-17 08:55	Apr-28-17 11:00
SP-GW-13-24-26-042017	1704030-04	Water	Apr-25-17 10:00	Apr-28-17 11:00
PW-48-042017	1704030-05	Water	Apr-25-17 10:25	Apr-28-17 11:00
SP-GW-17-14-16-042017	1704030-06	Water	Apr-26-17 14:25	Apr-28-17 11:00
SP-GW-17-24-26-042017	1704030-07	Water	Apr-26-17 15:25	Apr-28-17 11:00
SP-GW-17-24-26-D-042017	1704030-08	Water	Apr-26-17 15:25	Apr-28-17 11:00
SP-GW-18-14-16-042017	1704030-09	Water	Apr-26-17 16:55	Apr-28-17 11:00
SP-GW-18-24-26-042017	1704030-10	Water	Apr-26-17 17:45	Apr-28-17 11:00



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Low-Level 1,4-Dioxane by GC/MS (SIM), EPA 522 (modified) US EPA Region 5 Chicago Regional Laboratory

SP-GW-14-15-17-042017 (1704029-01)

Matrix: Water Sampled: Apr-25-17 13:55 Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC	%REC Limits		Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.97			89.3%	70-130	"	"	"	"

SP-GW-14-15-17-D-042017 (1704029-02)

Matrix: Water Sampled: Apr-25-17 13:55 Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.23	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC	%REC Limits		Batch	Prepared	Analyzed
1,4-Dioxane-d8	1.0			89.0%	70-130	"	"	"	"

SP-GW-14-25-27-042017 (1704029-03)

Matrix: Water Sampled: Apr-25-17 15:05 Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC	%REC Limits		Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.99			90.7%	70-130	"	"	"	"

SP-GW-15-15-17-042017 (1704029-04)

Matrix: Water Sampled: Apr-25-17 16:50 Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.21	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC	%REC Limits		Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.91			87.6%	70-130	"	"	"	"

SP-GW-15-15-27-042017 (1704029-05)

Matrix: Water Sampled: Apr-25-17 17:55 Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E017	May-11-17	May-16-17



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Low-Level 1,4-Dioxane by GC/MS (SIM), EPA 522 (modified) US EPA Region 5 Chicago Regional Laboratory

SP-GW-15-15-27-042017 (1704029-05)

Matrix: Water

Sampled: Apr-25-17 17:55

Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.91			83.3%		70-130	B17E017	May-11-17	May-16-17

SP-GW-16-15-17-042017 (1704029-06)

Matrix: Water

Sampled: Apr-26-17 09:45

Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.21	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.91			85.1%		70-130	"	"	"

SP-GW-16-25-17-042017 (1704029-07)

Matrix: Water

Sampled: Apr-26-17 10:45

Received: Apr-27-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.21	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.92			86.0%		70-130	"	"	"

SP-GW-12-11-13-042017 (1704030-01)

Matrix: Water

Sampled: Apr-24-17 17:10

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.21	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.91			86.3%		70-130	"	"	"

SP-GW-12-21-23-042017 (1704030-02)

Matrix: Water

Sampled: Apr-24-17 18:05

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
1,4-Dioxane-d8	0.98			89.9%		70-130	"	"	"

SP-GW-13-14-16-042017 (1704030-03)

Matrix: Water

Sampled: Apr-25-17 08:55

Received: Apr-28-17 11:00



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SP-GW-13-14-16-042017 (1704030-03)

Matrix: Water

Sampled: Apr-25-17 08:55

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC			%REC Limits	Batch	Prepared
1,4-Dioxane-d8	0.92			84.8%		70-130	"	"	"

SP-GW-13-24-26-042017 (1704030-04)

Matrix: Water

Sampled: Apr-25-17 10:00

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC			%REC Limits	Batch	Prepared
1,4-Dioxane-d8	0.80			72.6%		70-130	"	"	"

PW-48-042017 (1704030-05)

Matrix: Water

Sampled: Apr-25-17 10:25

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.20	ug/L	1	B17E017	May-11-17	May-16-17
Surogate	Result			%REC			%REC Limits	Batch	Prepared
1,4-Dioxane-d8	0.79			78.8%		70-130	"	"	"

SP-GW-17-14-16-042017 (1704030-06)

Matrix: Water

Sampled: Apr-26-17 14:25

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.20	ug/L	1	B17E035	May-18-17	May-18-17
Surogate	Result			%REC			%REC Limits	Batch	Prepared
1,4-Dioxane-d8	0.90			88.9%		70-130	"	"	"

SP-GW-17-24-26-042017 (1704030-07)

Matrix: Water

Sampled: Apr-26-17 15:25

Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.21	ug/L	1	B17E035	May-18-17	May-18-17
Surogate	Result			%REC			%REC Limits	Batch	Prepared
1,4-Dioxane-d8	0.95			89.3%		70-130	"	"	"



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Reported:
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Low-Level 1,4-Dioxane by GC/MS (SIM), EPA 522 (modified)

US EPA Region 5 Chicago Regional Laboratory

SP-GW-17-24-26-D-042017 (1704030-08) Matrix: Water Sampled: Apr-26-17 15:25 Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.20	ug/L	1	B17E035	May-18-17	May-18-17
<hr/>									
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
<i>1,4-Dioxane-d8</i>	0.98			97.5%		70-130	"	"	"

SP-GW-18-14-16-042017 (1704030-09) Matrix: Water Sampled: Apr-26-17 16:55 Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.22	ug/L	1	B17E035	May-18-17	May-18-17
<hr/>									
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
<i>1,4-Dioxane-d8</i>	0.99			91.4%		70-130	"	"	"

SP-GW-18-24-26-042017 (1704030-10) Matrix: Water Sampled: Apr-26-17 17:45 Received: Apr-28-17 11:00

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
1,4-Dioxane	U			0.28	ug/L	1	B17E035	May-18-17	May-18-17
<hr/>									
Surogate	Result			%REC		%REC Limits	Batch	Prepared	Analyzed
<i>1,4-Dioxane-d8</i>	1.3			90.9%		70-130	"	"	"



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Low-Level 1,4-Dioxane by GC/MS (SIM), EPA 522 (modified) - Quality Control

US EPA Region 5 Chicago Regional Laboratory

Batch B17E017 - SmartPrep SPE

Blank (B17E017-BLK1)											
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
				Units	Level						
1,4-Dioxane	U			0.20	ug/L						
Surrogate: 1,4-Dioxane-d8	0.87			"		1.000		86.5%	70-130		

LCS (B17E017-BS1)											
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
				Units	Level						
1,4-Dioxane	0.85			0.20	ug/L	1.000		84.8%	70-130		
Surrogate: 1,4-Dioxane-d8	0.87			"		1.000		87.0%	70-130		

MRL Check (B17E017-MRL1)											
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
				Units	Level						
1,4-Dioxane	0.17			0.20	ug/L	0.2000		86.8%	50-150		
Surrogate: 1,4-Dioxane-d8	0.88			"		1.000		87.8%	70-130		

Matrix Spike (B17E017-MS1)											
Source: 1704029-05			Prepared: May-11-17 Analyzed: May-16-17								
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
				Units	Level						
1,4-Dioxane	1.0			0.22	ug/L	1.092	U	94.2%	70-130		
Surrogate: 1,4-Dioxane-d8	1.0			"		1.092		93.1%	70-130		

Matrix Spike Dup (B17E017-MSD1)											
Source: 1704029-05			Prepared: May-11-17 Analyzed: May-16-17								
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
				Units	Level						
1,4-Dioxane	0.94			0.22	ug/L	1.087	U	86.3%	70-130	9.17	30
Surrogate: 1,4-Dioxane-d8	0.93			"		1.087		85.5%	70-130		

Batch B17E035 - Manual SPE



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Batch B17E035 - Manual SPE

Blank (B17E035-BLK1)

Prepared & Analyzed: May-18-17

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	U			0.20	ug/L						
Surrogate: 1,4-Dioxane-d8	0.89			"		1.000		88.7%	70-130		

LCS (B17E035-BS1)

Prepared & Analyzed: May-18-17

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	0.94			0.20	ug/L	1.000		94.4%	70-130		
Surrogate: 1,4-Dioxane-d8	0.95			"		1.000		94.7%	70-130		

LCS (B17E035-BS2)

Prepared & Analyzed: May-18-17

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	0.89			0.20	ug/L	1.000		89.4%	70-130		
Surrogate: 1,4-Dioxane-d8	0.91			"		1.000		90.9%	70-130		

LCS (B17E035-BS3)

Prepared & Analyzed: May-18-17

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	0.88			0.20	ug/L	1.000		87.9%	70-130		
Surrogate: 1,4-Dioxane-d8	0.95			"		1.000		94.5%	70-130		

LCS (B17E035-BS4)

Prepared & Analyzed: May-18-17

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	0.90			0.20	ug/L	1.000		90.0%	70-130		
Surrogate: 1,4-Dioxane-d8	0.83			"		1.000		83.3%	70-130		

MRL Check (B17E035-MRL1)

Prepared & Analyzed: May-18-17

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	0.17			0.20	ug/L	0.2000		85.0%	50-150		
Surrogate: 1,4-Dioxane-d8	0.87			"		1.000		86.9%	70-130		



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Notes and Definitions

U Not Detected

NR Not Reported

Q QC limit Exceeded

APPENDIX F

ANALYTICAL RESULTS SUMMARY

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-01-14-16	SP-GW-01-23-25	SP-GW-02-14-16	SP-GW-02-23-25
			Date Collected		1/10/2017	1/10/2017	1/10/2017	1/10/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.20 U	0.65 J	.5 U	.24 J
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.5 U	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		.5 U	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	.5 U	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		.28 U	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	.5 U	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		.5 U	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	.02 U	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	.05 U	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	.60 U	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	.5 U	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L			.5 U	.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	.75 U	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		.5600 U	.5 U	3.5 J	.5 U
VOCs	2-Hexanone	µg/L	38		.38 U	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		.6300 U	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000 U	.5 U	6.4 U	.5 U
VOCs	Benzene	µg/L	0.46	5	.5 U	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		.83 U	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	.80 U	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	.80 U	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		.75 U	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		.810 U	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	.5 U	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	.100 U	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		.21000 U	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	.80 U	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		.190 U	.5 U	.5 U	.4 J
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	.70 U	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47		.47 U	.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000 U	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		.87 U	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		.200 U	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	.700 U	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		.450 U	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		.190 U	.26 J	.17 J	.2 J
VOCs	Methyl Acetate	µg/L	20000		20000 U	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L			.5 U	.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	.5 U	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		.190 U	.08 J	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	.100 U	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		.140 U	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	.5 U	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	.1000 U	.33 J	.24 J	.28 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	.100 U	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47		.47 U	.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	.5 U	8	.5 U	.5 U
VOCs	Trichlorofluoromethane	µg/L	5200		.5200 U	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	.2 U	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		.46 U	.2 U	.2 U	.19 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-02-23-25-D	SP-GW-03-16.5-18.5	SP-GW-03-25.5-27.5	SP-GW-04-17-19
			Date Collected					
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.2 J	.5 U	.33 J	.21 J
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.5 U	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		.5 U	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	.5 U	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		.5 U	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	.5 U	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		.5 U	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	.5 U	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	.5 U	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L			.5 U	.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	.5 U	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		.5 U	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		.5 U	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		.5 U	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		.5 U	.5 U	.5 U	.5 U
VOCs	Benzene	µg/L	0.46	5	.5 U	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		.5 U	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	.5 U	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	.5 U	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		.5 U	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		.5 U	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	.5 U	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	.5 U	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		.5 U	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	.5 U	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		.5 U	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	.5 U	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47		.5 U	.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	.5 U	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		.5 U	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		.5 U	.23 J	.5 U	.11 J
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L			.5 U	.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	.5 U	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		.5 U	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	.5 U	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	.5 U	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	.28 J	.34 J	.2 J	.21 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	.5 U	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47		.5 U	.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	.5 U	.5 U	.5 U	1.4
VOCs	Trichlorofluoromethane	µg/L	5200		.5 U	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	.5 U	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.19 U	.2 U	.22 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-04-27-29	SP-GW-05-17-19	SP-GW-05-27-29	SP-GW-06-16-18
			Date Collected		1/11/2017	1/11/2017	1/11/2017	1/11/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	200	.46 J	.5 U	.39 J
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		0.76	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		38	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000	.5 U	.5 U	.5 U
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.17 J	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.5 U	.16 J	.11 J
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	1000	.32 J	.25 J	.3 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	4.9	.49 J	1.6
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.2 U	.2 U	.2 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-06-26-28	SP-GW-07-16.5-18.5	SP-GW-07-26.5-28.5	SP-GW-08-16.5-18.5
			Date Collected					
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	200	4	.5 U	.68
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		0.76	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	5 U	5 U	5 U
VOCs	2-Hexanone	µg/L	38		38	5 U	5 U	5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	5 U	5 U	5 U
VOCs	Acetone	µg/L	14000		14000	5 U	5 U	5 U
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.28 J	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.2 J
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.15 J	.5 U	.5 U
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	1000	.23 J	.1 J	.1 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	3.1	.31 J	8.8
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.19 U	.19 U	.2 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-08-26.5-28.5	SP-GW-08-26.5-28.5-D	SP-GW-09-16.5-18.5	SP-GW-09-26.5-28.5
			Date Collected		1/12/2017	1/12/2017	1/12/2017	1/12/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.22 J	.2 J	.5 U	0.44 J
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.5 U	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		.5 U	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	5 U	5 U	5 U
VOCs	2-Hexanone	µg/L	38		38	5 U	5 U	5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	5 U	5 U	5 U
VOCs	Acetone	µg/L	14000		14000	5 U	5 U	2.5 J
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	1000	.17 J	.15 J	.12 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	.5 U	.5 U	.11 J
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.2 U	.2 U	.19 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-10-16-18	SP-GW-10-26-28	SP-GW-11-15-17	SP-GW-11-25-27
			Date Collected					
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.200	.5 U	.59	.5 U
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.076	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.28 J
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		38	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000	.5 U	.5 U	.5 U
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.17 J	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	1000	.097 J	.12 J	.12 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	.3 J	13	.5 U
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.19 U	.19 U	.2 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-12-11-13	SP-GW-12-21-23	SP-GW-13-14-16	SP-GW-13-24-26
			Date Collected		4/24/2017	4/24/2017	4/25/2017	4/25/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.200	.39 J	.12 J	.16 J
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.076	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		38	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000	2.7 J	2.7 J	2.2 J
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	23 J	26 J	18 J
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	10	0.79	27
VOCs	Toluene	µg/L	1100	1000	1000	.22 J	.26 J	.25 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	1.3	5.9	1.1
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.21 U	.22 U	.22 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-14-15-17	SP-GW-14-15-17-D	SP-GW-14-25-27	SP-GW-15-15-17
			Date Collected		4/25/2017	4/25/2017	4/25/2017	4/25/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.200	.12 J	.1 J	.19 J
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.076	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		38	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000	3.3 J	3.4 J	11
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.1 J	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	23 J	.39 J	.2 J
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	13 J	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	1.9	1.4	3.2
VOCs	Toluene	µg/L	1100	1000	1000	.31 J	0.63	.29 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	1.4	1.1	3.2
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.22 U	.23 U	.21 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-15-25-27	SP-GW-16-15-17	SP-GW-16-25-27	SP-GW-17-14-16
			Date Collected		4/25/2017	4/26/2017	4/26/2017	4/26/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.5 U	.5 U	.34 J	.5 U
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.76	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		38	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000	2.1 J	5 U	5 U
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.09 J	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.29 J	.13 J	.11 J
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	Toluene	µg/L	1100	1000	1000	0.5	.36 J	.36 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	.5 U	.5 U	.5 U
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.22 U	.21 U	.2 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		SP-GW-17-24-26	SP-GW-17-24-26-D	SP-GW-18-14-16	SP-GW-18-24-26
			Date Collected		4/26/2017	4/26/2017	4/26/2017	4/26/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.200	.5 U	.5 U	.5 U
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.076	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.5 U	.5 U
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	.5 U	.5 U	.5 U
VOCs	2-Hexanone	µg/L	38		38	.5 U	.5 U	.5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	.5 U	.5 U	.5 U
VOCs	Acetone	µg/L	14000		14000	.5 U	.5 U	.5 U
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	.5 U	.5 U
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.5 U	2.6
VOCs	Toluene	µg/L	1100	1000	1000	.14 J	.45 J	.22 J
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	.5 U	.5 U
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	.5 U	.5 U	0.66
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.21 U	.2 U	.22 U
								.28 U

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 1 - Analytical Results
Lusher Street Superfund Site, Elkhart, Indiana

Analyte Class	Analyte Name	Units	Sample ID		MW-003WT	MW-003WT-D	MW-021S
			Date Collected		1/11/2017	1/11/2017	1/11/2017
VOCs	1,1,1-Trichloroethane	µg/L	8000	200	.5 U	.5 U	7.6
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.076		.76	.5 U	.5 U
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	55000		55000	.5 U	.5 U
VOCs	1,1,2-Trichloroethane	µg/L	0.28	5	5	.5 U	.5 U
VOCs	1,1-Dichloroethane	µg/L	2.8		28	.5 U	.5 U
VOCs	1,1-Dichloroethene	µg/L	280	7	7	.5 U	.49 J
VOCs	1,2,3-Trichlorobenzene	µg/L	7		7	.5 U	.5 U
VOCs	1,2,4-Trichlorobenzene	µg/L	1.2	70	70	.5 U	.5 U
VOCs	1,2-Dibromo-3-chloropropane	µg/L	0.00033	0.2	0.2	.5 U	.5 U
VOCs	1,2-Dibromoethane	µg/L	0.0075	0.05	0.05	.5 U	.5 U
VOCs	1,2-Dichlorobenzene	µg/L	300	600	600	.5 U	.5 U
VOCs	1,2-Dichloroethane	µg/L	0.17	5	5	.5 U	.5 U
VOCs	1,2-Dichloropropane	µg/L	0.44	5	5	.5 U	.5 U
VOCs	1,3-Dichlorobenzene	µg/L				.5 U	.5 U
VOCs	1,4-Dichlorobenzene	µg/L	0.48	75	75	.5 U	.5 U
VOCs	2-Butanone	µg/L	5600		5600	5 U	5 U
VOCs	2-Hexanone	µg/L	38		38	5 U	5 U
VOCs	4-Methyl-2-pentanone	µg/L	6300		6300	5 U	5 U
VOCs	Acetone	µg/L	14000		14000	5 U	5 U
VOCs	Benzene	µg/L	0.46	5	5	.5 U	.5 U
VOCs	Bromochloromethane	µg/L	83		83	.5 U	.5 U
VOCs	Bromodichloromethane	µg/L	0.13	80	80	.5 U	.5 U
VOCs	Bromoform	µg/L	3.3	80	80	.5 U	.5 U
VOCs	Bromomethane	µg/L	7.5		7.5	.5 U	.5 U
VOCs	Carbon disulfide	µg/L	810		810	.5 U	.5 U
VOCs	Carbon tetrachloride	µg/L	0.46	5	5	.5 U	.5 U
VOCs	Chlorobenzene	µg/L	78	100	100	.5 U	.5 U
VOCs	Chloroethane	µg/L	21000		2100	.5 U	.5 U
VOCs	Chloroform	µg/L	0.22	80	80	.5 U	.5 U
VOCs	Chloromethane	µg/L	190		190	.5 U	.5 U
VOCs	cis-1,2-Dichloroethene	µg/L	36	70	70	.5 U	10
VOCs	cis-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U
VOCs	Cyclohexane	µg/L	0.87		13000	.5 U	.5 U
VOCs	Dibromochloromethane	µg/L	0.87		80	.5 U	.5 U
VOCs	Dichlorodifluoromethane	µg/L	200		200	.5 U	.5 U
VOCs	Ethylbenzene	µg/L	1.5	700	700	.5 U	.5 U
VOCs	Isopropylbenzene (Cumene)	µg/L	450		450	.5 U	.5 U
VOCs	m,p-Xylene	µg/L	190		190	.5 U	.5 U
VOCs	Methyl Acetate	µg/L	20000		20000	.5 U	.5 U
VOCs	Methylcyclohexane	µg/L				.5 U	.5 U
VOCs	Methylene chloride	µg/L	11	5	5	.5 U	.5 U
VOCs	o-Xylene	µg/L	190		190	.5 U	.5 U
VOCs	Styrene	µg/L	1200	100	100	.5 U	.5 U
VOCs	Tert-Butyl Methyl Ether	µg/L	14		140	.5 U	.5 U
VOCs	Tetrachloroethene	µg/L	11	5	5	.5 U	.23 J
VOCs	Toluene	µg/L	1100	1000	1000	.5 U	.5 U
VOCs	trans-1,2-Dichloroethene	µg/L	360	100	100	.5 U	0.77
VOCs	trans-1,3-Dichloropropene	µg/L	0.47			.5 U	.5 U
VOCs	Trichloroethene	µg/L	0.49	5	5	.15 J	.14 J
VOCs	Trichlorofluoromethane	µg/L	5200		5200	.5 U	.5 U
VOCs	Vinyl chloride	µg/L	0.019	2	2	.5 U	.5 U
SVOCs	1,4-Dioxane	µg/L	0.46		4.6	.2 U	1.4 J

Notes:

IDEML Indiana Department of Environmental Management

J The reported value is estimated

MCL Maximum contaminant level

RSL Regional screening level

SL screening level

SVOC semi-volatile organic compound

VOC Volatile organic compound

µg/L micrograms per liter

U chemical was not detected; the reporting limit is given

detected

detected and exceeds MCL

Appendix F
Table 2 - Field Duplicate RPD
Lusher Street Superfund Site, Elkhart, Indiana

CLP ID		E60P9		E60Q0		E60Q8		E60Q9	
Sample ID		SP-GW-02-23-25-01-17		SP-GW-02-23-25-D-01-17		MW-003WT-0117		MW-003WT-D-0117	
Analyte		Sample Date	1/10/2017	1/10/2017		1/11/2017		1/11/2017	
Analyte	CRQL	Unit	Result	Qualifier	Result	Qualifier	RPD	Result	Qualifier
1,1,1-Trichloroethane	0.5	ug/L	0.24	J	0.2	J	18%	0.5	U
1,1,2,2-Tetrachloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,1,2-Trichloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,1-Dichloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,1-Dichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2,3-Trichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2,4-Trichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2-Dibromo-3-chloropropane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2-Dibromoethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2-Dichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2-Dichloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,2-Dichloropropane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,3-Dichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,4-Dichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
1,4-Dioxane*	0.2	ug/L	0.19	U	0.19	U	NA	0.2	U
2-Butanone	5	ug/L	5	U	5	U	NA	5	U
2-Hexanone	5	ug/L	5	U	5	U	NA	5	U
4-Methyl-2-pentanone	5	ug/L	5	U	5	U	NA	5	U
Acetone	5	ug/L	5	U	5	U	NA	5	U
Benzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Bromochloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Bromodichloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Bromoform	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Bromomethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Carbon disulfide	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Carbon tetrachloride	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Chlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Chloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Chloroform	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Chlormethane	0.5	ug/L	0.4	J	0.5	U	NA	0.5	U
cis-1,2-Dichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
cis-1,3-Dichloropropene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Cyclohexane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Dibromochloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Dichlorodifluoromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Ethylbenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Isopropylbenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
m, p-Xylene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Methyl acetate	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Methyl tert-butyl ether	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Methylcyclohexane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Methylene chloride	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
o-Xylene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Styrene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Tetrachloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Toluene	0.5	ug/L	0.21	J	0.28	J	29%	0.5	U
trans-1,2-Dichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
trans-1,3-Dichloropropene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Trichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.15	J
Trichlorofluoromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U
Vinyl chloride	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U

Notes:

All January 2017 results were analyzed by Shealy Environmental Services, Inc.

April 2017 results were analyzed by Chemtech Consulting Group with the exception of 1,4-dioxane which analyzed by USEPA Region 5 Chicago Regional Laboratory

CLP ID - Contract Laboratory Program Sample Identification
CRQL - Contract Required Quantitation Limit

RPD - Relative Percent Difference

Qualifiers:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

7%

Appendix F
Table 2 - Field Duplicate RPD
Lusher Street Superfund Site, Elkhart, Indiana

CLP ID		E60R4		E60R5		E6150		E6151				
Sample ID		SP-GW-08-26.5-28.5-0117		SP-GW-08-26.5-28.5-D-0117		SP-GW-14-15-17-042017		SP-GW-14-15-17-D-042017				
Sample Date		1/12/2017		1/12/2017		4/25/2017		4/25/2017				
Analyte	CRQL	Unit	Result	Qualifier	Result	Qualifier	RPD	Result	Qualifier	Result	Qualifier	RPD
1,1,1-Trichloroethane	0.5	ug/L	0.22	J	0.2	J	10%	0.12	J	0.1	J	18%
1,1,2,2-Tetrachloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,1,2-Trichloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,1-Dichloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,1-Dichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2,3-Trichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2,4-Trichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2-Dibromo-3-chloropropane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2-Dibromoethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2-Dichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2-Dichloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,2-Dichloropropane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,3-Dichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,4-Dichlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
1,4-Dioxane*	0.2	ug/L	0.2	U	0.2	U	NA	0.22	U	0.23	U	NA
2-Butanone	5	ug/L	5	U	5	U	NA	5	U	5	U	NA
2-Hexanone	5	ug/L	5	U	5	U	NA	5	U	5	U	NA
4-Methyl-2-pentanone	5	ug/L	5	U	5	U	NA	5	U	5	U	NA
Acetone	5	ug/L	5	U	5	U	NA	3.3	J	3.4	J	3%
Benzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Bromochloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Bromodichloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Bromoform	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Bromomethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Carbon disulfide	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Carbon tetrachloride	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Chlorobenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Chloroethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Chloroform	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Chloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
cis-1,2-Dichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
cis-1,3-Dichloropropene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Cyclohexane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Dibromochloromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Dichlorodifluoromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Ethylbenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.1	J	NA
Isopropylbenzene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
m, p-Xylene	0.5	ug/L	0.5	U	0.5	U	NA	0.23	J	0.39	J	52%
Methyl acetate	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Methyl tert-butyl ether	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Methylcyclohexane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Methylene chloride	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
o-Xylene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.13	J	NA
Styrene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Tetrachloroethene	0.5	ug/L	0.5	U	0.5	U	NA	1.9		1.4		30%
Toluene	0.5	ug/L	0.17	J	0.15	J	13%	0.31	J	0.63		68%
trans-1,2-Dichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
trans-1,3-Dichloropropene	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Trichloroethene	0.5	ug/L	0.5	U	0.5	U	NA	1.4		1.1		24%
Trichlorofluoromethane	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA
Vinyl chloride	0.5	ug/L	0.5	U	0.5	U	NA	0.5	U	0.5	U	NA

Notes:

All January 2017 results were analyzed by Shealy Environmental Services, Inc.

April 2017 results were analyzed by Chemtech Consulting Group with the exception of 1,4-dioxane which analyzed by USEPA Region 5 Chicago Regional Laboratory

CLP ID - Contract Laboratory Program Sample Identification
CRQL - Contract Required Quantitation Limit

RPD - Relative Percent Difference

Qualifiers:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Appendix F
Table 2 - Field Duplicate RPD
Lusher Street Superfund Site, Elkhart, Indiana

CLP ID		E6160		E6161				
Sample ID		SP-GW-17-24-26-042017		SP-GW-17-24-26-D-042017				
Analyte		CRQL	Unit	Result	Qualifier	Result	Qualifier	RPD
1,1,1-Trichloroethane		0.5	ug/L	0.5	U	0.5	U	NA
1,1,2,2-Tetrachloroethane		0.5	ug/L	0.5	U	0.5	U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.5	ug/L	0.5	U	0.5	U	NA
1,1,2-Trichloroethane		0.5	ug/L	0.5	U	0.5	U	NA
1,1-Dichloroethane		0.5	ug/L	0.5	U	0.5	U	NA
1,1-Dichloroethene		0.5	ug/L	0.5	U	0.5	U	NA
1,2,3-Trichlorobenzene		0.5	ug/L	0.5	U	0.5	U	NA
1,2,4-Trichlorobenzene		0.5	ug/L	0.5	U	0.5	U	NA
1,2-Dibromo-3-chloropropane		0.5	ug/L	0.5	U	0.5	U	NA
1,2-Dibromoethane		0.5	ug/L	0.5	U	0.5	U	NA
1,2-Dichlorobenzene		0.5	ug/L	0.5	U	0.5	U	NA
1,2-Dichloroethane		0.5	ug/L	0.5	U	0.5	U	NA
1,2-Dichloropropane		0.5	ug/L	0.5	U	0.5	U	NA
1,3-Dichlorobenzene		0.5	ug/L	0.5	U	0.5	U	NA
1,4-Dichlorobenzene		0.5	ug/L	0.5	U	0.5	U	NA
1,4-Dioxane*		0.2	ug/L	0.21	U	0.2	U	NA
2-Butanone		5	ug/L	5	U	5	U	NA
2-Hexanone		5	ug/L	5	U	5	U	NA
4-Methyl-2-pentanone		5	ug/L	5	U	5	U	NA
Acetone		5	ug/L	5	U	5	U	NA
Benzene		0.5	ug/L	0.5	U	0.5	U	NA
Bromochloromethane		0.5	ug/L	0.5	U	0.5	U	NA
Bromodichloromethane		0.5	ug/L	0.5	U	0.5	U	NA
Bromoform		0.5	ug/L	0.5	U	0.5	U	NA
Bromomethane		0.5	ug/L	0.5	U	0.5	U	NA
Carbon disulfide		0.5	ug/L	0.5	U	0.5	U	NA
Carbon tetrachloride		0.5	ug/L	0.5	U	0.5	U	NA
Chlorobenzene		0.5	ug/L	0.5	U	0.5	U	NA
Chloroethane		0.5	ug/L	0.5	U	0.5	U	NA
Chloroform		0.5	ug/L	0.5	U	0.5	U	NA
Chloromethane		0.5	ug/L	0.5	U	0.5	U	NA
cis-1,2-Dichloroethene		0.5	ug/L	0.5	U	0.5	U	NA
cis-1,3-Dichloropropene		0.5	ug/L	0.5	U	0.5	U	NA
Cyclohexane		0.5	ug/L	0.5	U	0.5	U	NA
Dibromochloromethane		0.5	ug/L	0.5	U	0.5	U	NA
Dichlorodifluoromethane		0.5	ug/L	0.5	U	0.5	U	NA
Ethylbenzene		0.5	ug/L	0.5	U	0.5	U	NA
Isopropylbenzene		0.5	ug/L	0.5	U	0.5	U	NA
m, p-Xylene		0.5	ug/L	0.5	U	0.5	U	NA
Methyl acetate		0.5	ug/L	0.5	U	0.5	U	NA
Methyl tert-butyl ether		0.5	ug/L	0.5	U	0.5	U	NA
Methylcyclohexane		0.5	ug/L	0.5	U	0.5	U	NA
Methylene chloride		0.5	ug/L	0.5	U	0.5	U	NA
o-Xylene		0.5	ug/L	0.5	U	0.5	U	NA
Styrene		0.5	ug/L	0.5	U	0.5	U	NA
Tetrachloroethene		0.5	ug/L	0.5	U	0.5	U	NA
Toluene		0.5	ug/L	0.14	J	0.45	J	105%
trans-1,2-Dichloroethene		0.5	ug/L	0.5	U	0.5	U	NA
trans-1,3-Dichloropropene		0.5	ug/L	0.5	U	0.5	U	NA
Trichloroethene		0.5	ug/L	0.5	U	0.5	U	NA
Trichlorofluoromethane		0.5	ug/L	0.5	U	0.5	U	NA
Vinyl chloride		0.5	ug/L	0.5	U	0.5	U	NA

Notes:

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APPENDIX G

Confidential – Cross-reference table, Figure 2-1, Table 3-1, and Sample data sheet